Author Index

VOLUME 20, 2003

Abulafia, Ovadia, 263
Ahdoot, David, 353
Allegaert, K., 219
Ariet, Mario, 321
Arkel, Yale, 17
Ashbel, Gina, 201
Asrat, Tamerou, 353
Auld, Peter A.M., 465, 491

Ballabh, Praveen, 465, 491
Barak, Mila, 201
Barrio, C., 91
Bartoshesky, Louis, 333
Batton, Daniel G., 33
Bauer, Jacqueline, 181
Beiner, Mario E., 49
Belet, Nurşen, 269
Ben-Haroush, Avi, 274
Berenson, Abbey B., 239
Berseth, Carol Lynn, 373
Bhandari, Vineet, 205
Birenbaum, Howard J., 503
Biswas, Anjali, 121
Bory, Jean Paul, 87
Botet, F., 137
Bowen, Winslade A., 447
Brodsky, Nancy L., 205
Bussel, James B., 425

Cabrera-Meza, Gerardo, 373
Carbonell, X., 137
Carlan, S.J., 63
Carter, Randy L., 321
Casteels, I., 219
Cheng, Shin-Nan, 173
Chervenak, Frank A., 399
Chetrit, Angela, 49
Chin, Song-Ok S., 205
Chung, Mei-Yung, 227
Cimolai, Nevio, 125
Clark, William D., 373
Cleary-Goldman, Jane, 305
Cobas, J., 91
Colomer, Belén Fernández, 153
Costakos, Dennis T., 485
Cotallo, Gil D. Coto, 153
Craig, Carin, 215
Creatsas, George, 283
Crowell, R. Becca, 255
Cuellar, Franciso, 17
Cunningham-Rundles, Susanna, 465

Dahlen, Lynn R., 485
D'Alton, Mary E., 305
Das, Santanu, 453
Davydov, Angela, 121
Deal, Barbara J., 115
Delikara, Nuri M., 1
Deutsch, Varda, 367
Devlieger, H., 219
Dola, Chi P., 353
Dollberg, Shaul, 201, 367
Donn, Steven M., 347
Dowling, David D., 353
Dunbar, Alston E., III, 391

Edwards, Allison R., 321
Endres, Loraine K., 109
Engmann, Cyril, 347

Falciglia, Grace A., 97
Falciglia, Horacio S., 97
Fan, Hueng-Chuen, 173
Fernandes, Caraciolo J., 373
Fetter, Willem P.F., 297
Figueras-Aloy, J., 137
Foot, Annabel, 233
Frayer, William W., 441
Friend, Diana, 353
Fujii, Tomoyuki, 11
Fukushima, Kotaro, 277

Gagnon, Robert, 55
Garite, Thomas J., 353
Garrow, Eugene, 121
Gathwala, Geeta, 341
Gei, Alfredo F., 289
Golombek, Sergio, 453
Gomez, Manuel, 121
Gotteiner, Nina L., 115
Graesslin, Olivier, 87
Greer, Frank R., 485
Greer, Karen J., 447
Grier, David, 233
Grover, Shabnam Bhandari, 147
Guliano, Michael, 491
Gutiérrez, F., 91
Güvenli, Abdullah, 269

Hall, Charles F., 97
Hamada, Takeo, 77
Hand, Ivan, 477
Hankins, Gary D.V., 289
Harika, Ghassan, 87
Harn, Horng-Jyh, 173
Haynes, Diane, 477
Hentschel, R., 181
Herring, Michelle J. Kantor, 333
Hinson, Roger M., 391
Hook, Samantha, 233
Hoshika, Akinori, 195
Hruda, Jaroslav, 297
Hsu, Chaur-Dong, 215

Inaba, Norijuki, 381
Inoue, Masaki, 361
Ishikawa, Kazuaki, 381

Jain, Ajey, 465, 491

Copyright © 2003 by Thieme Medical Publishers, Inc., 333 Seventh Avenue, New York, NY 10001, USA. Tel: +1(212) 584-4662.

Jasper, Jill, 373
Jazayeri, Allahyar, 189
Jazayeri, Mary K., 189
Jiménez, R., 137
Jiménez, W., 137
Johnson, J. Robert, 97
Johnsrude, Christopher L., 115
Johnston, Walter J., 255
Jones, Gregory P., 249
Jordín, Y., 137

Kamikawa, Akira, 195
Kanda, Tadahito, 11
Kannankeril, Prince J., 115
Kapoor, Seema, 341
Kappel, Inge, 293
Karck, U., 181
Karovitch, Alan, 69
Kashyap, Ravi, 341
Kawana, Kei, 11
Kawana, Yukiko, 11
Kawano, Yoshiaki, 277
Kawashima, Hisashi, 195
Keely, Erin, 69
Kennedy, Kathleen A., 313
Kikuchi, Akihiko, 11
Kim, MaeHee, 477
Kirtley, Xandrea, 33
Ko, Tan-Yung, 227
Kobayashi, Hisaaki, 77
Kobayashi, Mitsunao, 77
Krauss, Alfred N., 395, 447, 465, 491
Ku, Wayne, 17
Kücüködük, Şükrü, 269
Kuint, Jacob, 49
Kumari, Jaishree, 465
Kupferminc, Michael, 367

Laborada, Gary, 491
La Gamma, Edmund F., 453
Lee, Chuen-Ming, 173
Leef, Kathleen H., 333
Levine, Ruth E., 239
Liangthanasarn, Passara, 121
Linderkamp, O., 181
Little, Bertis B., 255
Locke, Robert G., 333
Love, Laureen A., 485
Lowis, Steve, 233
Lubetzky, Ronit, 367
Lucey, Jerold F., 397
Lui, Chun Chung, 227
Lysikiewicz, Andrzej, 263

Macones, George A., 41
Maeda, Eiko, 361
Mahajan, Harsh, 147
Makropoulos, Dimitri, 69
Malamitsi-Puchner, Ariadne, 283
Malo-Ferjani, Lilia, 87
Mansour, Mohammad, 59
Marangi, Donald, 25
Mastrobattista, Joan M., 165
Matsumoto, Koji, 11
Matsunaga, Yuko, 277
McCullough, Laurence B., 399
McVeigh, Tammy, 477
Mehndiratta, Sanjeev, 341
Mehta, Rajesh, 147
Miller, Jeffrey D., 97
Mimouni, Francis, 201, 367
Mincis, Larissa, 201
Mishra, Ravi, 453
Miyajima, Tasuku, 195
Moin, Furqan, 313
Monteiro, Carmela, 25
Moore, Sheila L., 391
Morville, Patrice, 87
Moya, Fernando R., 313
Muñoz, C., 91
Murakami, Kouichi, 361

Nakagawa, Shunsuke, 11
Nakanami, Naoyuki, 277
Nakano, Hitoo, 277
Nassar, Anwar, 59
Naulaers, G., 219
Nesin, Mirjana, 395, 491
Niebyl, Jennifer R., 405
Ninios, Athanasios, 215
Nishikawa, Masayoshi, 381
Noble, Lawrence, 477
Noguchi, Yasuaki, 77
Nork, Michael, 293
Nozaki, Masahiro, 277
Oandasan, Aileen P., 239
Ogunyemi, Dotun, 17
Onda, Takashi, 11
Orbea, C., 91
Oshima, Kyoko, 381

Papagianni, Basiliki, 283
Pascual, M., 91
Pati, Nalini Kant, 147
Paul, David A., 333
Pavlik, Jacqueline, 215
Peña, Joseph E., 305
Perszyk, Anthony A., 25
Primeau, Loree A., 239
Protonotariou, Efthimia, 283
Puvabanditsin, Surasak, 121

Raja, Savithri, 25
Ramirez-Tolentino, Susan R., 453
Ratan, Simmi K., 341
Raupp, Peter, 293
Rego, Maria, 491
Resnick, Michael B., 321
Riechmann, George C., 97
Rigopoulou, Urania, 283
Robinson, Julian N., 305
Rodger, Marc A., 69
Rodraguez-Miguélez, J.M., 137
Rodriguez, E., 91
Romano, Walter, 55
Ross, Gail, 415
Ross, Nancy L., 321
Roth, Jeffrey, 321
Rothuis, Ellen G.M., 297
Roukema, Henry W., 55

Sahinoglu, Zeki, 1
Salti, Ibrahim, 59
Saniç, Ahmet, 269
Sarandakou, Angeliki, 283
Sastre, José B. López, 153
Satoh, Shoji, 277
Sauer, Mark V., 305
Schiff, Eyal, 49
Schulman, Marjorie, 433
Segawa, Tomoya, 361
Seguin, John, 249
Sehdev, Harish M., 41

Seoud, Muhieddine, 59
Sergi, Consolato, 233
Sharma, Renu, 25
Sheffer-Mimouni, Galit, 367
Sherer, David M., 263
Shiels, William E., II, 249
Shigematsu, Toshiyuki, 277
Shimada, Keiko, 361
Shozu, Makio, 361
Simchen, Michal J., 49
Simm, Maciej, 465
Simon, Michael W., 7
Simon, Neal P., 7
Sivan, Eyal, 49
Smith, Russell A., 289
Snell, Laura M., 255
Sobotka-Plojhar, Martha A., 297
Spicer, Richard, 233
Stamilio, David M., 41
Stavola, Joseph, 491
Stefano, John L., 333
Strasburger, Janette F., 115
Sullivan, JoAnn, 97
Sutkin, Gary, 189
Suttie, John W., 485
Swails, Tammy, 33

Tadokoro, Nozomu, 381
Takami, Takeshi, 195
Takei, Yukito, 195
Taketani, Yuji, 11
Tatad, A.M. Francesca, 441
Thompson, Jeffrey R., 321
Thornton, Melvin H., II, 305
Torres-Valdivieso, M.J., 91
Trayler, Stacey, 255
Tsai, Chia-Chang, 227

Uludogan, Mehmet, 1
Upadhyaya, Cheerag D., 63
Upadhyaya, D.M., 63
Usta, Ihab, 59

Van Beveren, Toosje T., 255
Van de Velde, M., 219
van Elburg, Ruurd M., 297
Vanhole, C., 219
Vasileiadis, George T., 55
Vidaeff, Alex C., 165

Walker, Mark, 69
Walton, John C., 55
Wang, Eileen Y., 109
Watanabe, Hiroshi, 381
Wax, Joseph R., 273
Wells, Philip S., 69
Williams, Jonathan, 233

Yamada, Takashi, 77
Yasugi, Toshiharu, 11
Yıldıran, Alişan, 269
Yoon, Jing Ja, 477
Yoshida, Atsushi, 77
Yoshikawa, Hiroyuki, 11
Younes, Khaled, 59
Yuh, Yeong-Seng, 173

Zahradnik, H., 181

Subject Index

VOLUME 20, 2003

Accessory connections, supraventricular tachycardia in utero, clinical correlations, 115–119
Acrania, antenatal imaging, primary acalvaria, 293–296
Alternative obstetrical care, parent-physician conflict, in neonatal intensive care unit (NICU), 373–379
Amphotericin B lipid complex
  neonatal invasive candidiasis, multicenter study of, 153–161
  Trichosporon asahii infection in preterm infants, 269–271
Anemia
  Diamond-Blackfan anemia (DBA) with hydrops fetalis, 391–394
  gastric teratoma with focal neuroblastoma, 233–237
Antenatal steroid therapy, gastroesophageal reflux in neonates, 205–212
Antibiotics
  methicillin-resistant *Staphylococcus aureus* in newborns, 125–134
  in pregnancy and lactation, 405–412
Anti-infective agents, in pregnancy and lactation, 405–412
Antioxidants, bronchopulmonary dysplasia and respiratory distress syndrome in premature infants, 97–106
Antiphospholipid antibodies, venous thrombembolism and, 17–22
Antiviral agents, in pregnancy and lactation, 405–412
Anxiety disorders, during pregnancy and postpartum, 239–245
Atrial septal defect (ASD), heart murmur detection, 195–199

Bed rest therapy, prolapsed chorioamniotic membrane, herniation, infection, and prolongation of, 381–388
Body mass index (BMI), sickle cell trait in pregnancy and preeclampsia risk, 41–47
Brachial plexus paresis, forceps-related fetal neck compression, 289–291
Branchial cleft sinus, retropharyngeal abscess with, neonatal case study, 227–231
Breastfeeding. *See* Lactation
Bronchioesophageal fistula, radionuclide study as diagnostic tool, 341–345
Bronchopulmonary dysplasia (BPD)
  antioxidant nutrients and lipid peroxidation in premature infants, 97–106
  lymphocyte subpopulations in, 465–474

Candida sp. infections, neonatal invasive candidiasis, multicenter study of, 153–161
Carbon dioxide set point, volutrauma-associated lung injury minimization in low birth weight infants, 453–461
Cardiac dysrrhthmia, carnitine palmitoyltransferase II deficiency, 25–31
Cardiotocography, fetal heart rate (FHR), computerized analysis, 77–84
Carnitine palmitoyltransferase II deficiency, clinical presentation, 25–31
Cell proliferation and apoptosis, markers during perinatal period, 283–287
Cerebral dysgenesis, carnitine palmitoyltransferase II deficiency, 25–31
Cervical incompetence, tumor necrosis factor-α and emergent cerclage therapy, 109–113
Cervical pregnancy, methotrexate, uterine artery embolization and Foley catheter balloon management, 263–266
Cesarean delivery
  placenta previa and pregnancy outcome, 353–360
  vaginal birth after cesarean delivery (VBAC), rural medical practices, 63–67
Cesarean section, extremely-low-birth-weight infants, vaginal delivery *vs.*, 181–187
Chorioamnionitis
  prolapsed chorioamniotic membrane, 381–388
  unexpected vs. anticipated cystic periventricular leukomalacia and, 33–39

Copyright © 2003 by Thieme Medical Publishers, Inc., 333 Seventh Avenue, New York, NY 10001, USA. Tel: +1(212) 584-4662.

Clinical trials, pregnant women's participation in, 69–75
Cocaine exposure, fetal anomalies, myths concerning, 165–171
Computed tomography, retropharyngeal abscess with branchial cleft sinus, 227–231
Conflict resolution, parent-physician conflict, in neonatal intensive care unit (NICU), 373–379
Congenital anomalies, cocaine exposure and, mythology concerning, 165–171
Congenital heart defects, atrial septal defect (ASD), differential diagnosis, 195–199
Congenital partial pericardial defect, case study, 121–123
Congenital spine tuberculosis, imaging studies and early diagnosis, 147–152
C-reactive protein (CRP) therapy, neonatal sepsis and, 491–500
Cystic periventricular leukomalacia, unexpected vs. anticipated presentation, 33–39
Cystic renal dysplasia, carnitine palmitoyltransferase II deficiency, 25–31
Cytokines, neonatal sepsis and, 491–500
Cytopenia, fetal/neonatal, research issues in, 425–430

Delivery complications
  cell proliferation and apoptosis, markers during perinatal period, 283–287
  external cephalic version, delivery modes, 273–274
  forceps deliveries, brachial plexus paresis and fetal neck compression, 289–291
  placenta previa and pregnancy outcome, 353–360
  Salter-Harris II fractures of proximal humerus in preterm infants, 249–253
  vaginal birth after cesarean delivery (VBAC), rural medical practices, 63–67
Developmental delay or disability, low birth weight and, 321–331
Diamond-Blackfan anemia (DBA), with hydrops fetalis, 391–394
Digit aplasia, limb reduction anomalies, 7–9
Doppler ultrasound, Klippel-Trenaunay-Weber (KTW) syndrome, prenatal diagnosis, 1–5

Echocardiography
  atrial septal defect (ASD) detection, 195–199
  preload conditions, NICU assessment and outcome, 297–303
Economic issues in health care, neonatology and health insurance, 433–439
Education levels, breastfeeding in urban women and, 477–482
ELISA assay, condyloma acuminata, HPV6 antibody detection, 11–15
Emergent cerclage, tumor necrosis factor-α and cervical incompetence, 109–113
Erb's palsy
  forceps-related fetal neck compression, brachial plexus paresis, 289–291
  obstetrical risk factors, 275
Esophageal atresia (EA), hyperthyroidism in pregnancy and incidence of, 59–62
Ethics
  cocaine exposure and fetal anomalies, myths concerning, 165–171
  fetus as patient, perinatal care and, 399–404
  parent-physician conflicts in neonatal intensive care unit (NICU), 373–379
Ethnicity, breastfeeding in urban women and, 477–482
Expired nitric oxide, expiration in newborn, perinatal infection risk and, 137–144
External cephalic version, delivery following, 273–274
Extremely-low-birth-weight infants, vaginal delivery and neonatal outcome, 181–187

Fetal DNA, intervillous hematoma, fetal DNA in maternal blood, prognosis predictions, 361–365
Fetal heart rate (FHR)
  computerized analysis, nonstress test variability, 77–84
  supraventricular tachycardia in utero, accessory connections and, 115–119
Fetal hypoxia, nucleated red blood cells, 367–370
Fetal neck compression, forceps-related, brachial plexus paresis and, 289–291
Fetal outcomes
  cocaine exposure and, 165–171
  cytopenia, research in, 425–430
  fetus as patient, perinatal care ethics, 399–404
Fetal therapy
  Diamond-Blackfan anemia (DBA) with hydrops fetalis, 391–394
  fetus as patient, perinatal care ethics, 399–404
  pulmonary sequestration, physiopathology hypotheses and treatment, 87–89
Focal neuroblastoma, gastric teratoma with, neonatal anemia and, 233–237
Foley catheters, cervical pregnancy management with, 263–266

Forceps delivery, brachial plexus paresis and fetal neck compression, 289–291
Fungal infection, *Trichosporon asahii* infection in preterm infants, 269–271

Gastric teratoma, neonatal anemia and, 233–237
Gastroesophageal reflux, in neonates, antenatal steroid therapy and, 205–212
Gastrointestinal malformations, hyperthyroidism in pregnancy and, 59–62
General anesthesia, threshold retinopathy, neonatal cryotherapy, 219–225
Genetics studies
  tumor necrosis factor-α and cervical incompetence, 109–113
  X-linked centronuclear myopathy (CNM), 173–179
Germ cell tumors, gastric teratoma with focal neuroblastoma, neonatal anemia and, 233–237
Gestational age
  extremely-low-birth-weight infants, vaginal delivery and neonatal outcomes, 181–187
  unexpected vs. anticipated cystic periventricular leukomalacia and, 33–39
Gestational diabetes, sickle cell trait and preeclampsia risk, 41–47

Health insurance, neonatology and, 433–439
Heart murmurs, atrial septal defect characteristics, 195–199
Hemangioma, carnitine palmitoyltransferase II deficiency, 25–31
Hemodynamic evaluation, preload in neonates, echocardiographic assessment in NICU and, 297–303
Hemolytic anemia, fetal/neonatal, research issues, 425–430
Herniation, prolapsed chorioamniotic membrane, 381–388
Herpes simplex virus (HSV), intrauterine infection, 55–58
H-type fistula, radionuclide studies, 341–345
Human immunodeficiency virus (HIV)
  congenital spine tuberculosis and, 147–152
  serodiscordant couples, obstetric outcomes following in vitro fertilization with intracytoplasmic sperm injection, 305–311
Human papillomavirus type 6, condyloma acuminata, 11–15

Humerus fractures, Salter-Harris II fractures in preterm infants, 249–253
Hydrops fetalis
  Diamond-Blackfan anemia (DBA) with, 391–394
  pulmonary sequestration, physiopathology hypotheses and treatment, 87–89
Hyperbilirubinemia, therapeutic developments in, 415–422
Hyperkalemia, carnitine palmitoyltransferase II deficiency, 25–31
Hypersialosis, H-type fistula, radionuclide diagnosis, 341–345
Hyperthyroidism in pregnancy, neonatal gastrointestinal malformations and, 59–62
Hypoplastic left heart syndrome, case study, 121–123
Hypotension, patent ductus arteriosus (PDA) ligation, vasopressor use following, 313–319

Imaging studies
  antenatal imaging, primary acalvaria, 293–296
  congenital spine tuberculosis and early diagnosis, 147–152
  retropharyngeal abscess with branchial cleft sinus, neonatal case study, 227–231
Immunohematology, fetal/neonatal cytpoenia, research issues, 425–430
Infant mortality, historical review of NICU and, 441–450
Infectious disease
  Staphylococcus aureus in newborns, 125–134
  Trichosporon asahii infection in preterm infants, 269–271
Inflammatory disease, neonatal sepsis and, cytokine and c-reactive protein therapy, 491–500
Inherited thrombophilia, venous thrombembolism and, 17–22
Intervillous hematoma, fetal DNA in maternal blood, prognosis predictions, 361–365
Intracardiac thrombus, catheter-related thromboses, premature infants, tissue plasminogen activator therapy, 91–95
Intracytoplasmic sperm injection (ICSI), HIV-serodiscordant couples, obstetric outcomes following in vitro fertilization with, 305–311
Intrauterine growth retardation (IUGR)
  intervillous hematoma, fetal DNA in maternal blood, prognosis predictions, 361–365
  thrombocytopenia risk and, 49–53

Intrauterine herpes simplex infection, in neonate, 55–58
Invasive candidiasis, multicenter neonatal study of, 153–161
In vitro fertilization and embryonic transfer (IVF-ET)
  HIV-serodiscordant couples, obstetric outcomes following intracytoplasmic sperm injection (ICSI) with, 305–311
  tubo-ovarian abscess following, 277–282

Kernicterus, hyperbilirubinemia therapy and, 415–422
Kielland forceps, brachial plexus paresis and fetal neck compression, 289–291
Klippel-Trenaunay-Weber (KTW) syndrome, prenatal sonographic diagnosis, 1–5

Labor complications
  neonatal absolute nucleated red blood cell count and, 367–370
  premature preterm rupture of membranes (PPROM), tocolysis and neonatal outcome, 189–193
  vaginal birth after cesarean delivery (VBAC), rural medical practices, 63–67
Lactation
  antibiotics and anti-infective agents in, 405–412
  initiation in urban women, sociocultural factors, 477–482
  vitamin K prophylaxis in premature infants, dosage guidelines, 485–489
Leukemoid reaction, persistent pulmonary hypertension of newborns (PPHN), neutrophilia in infants with, 347–350
Limb anomalies, digital ray defects, 7–9
Lipid peroxidation, bronchopulmonary dysplasia and respiratory distress syndrome in premature infants, 97–106
Lipoprotein A, venous thrombembolism and, 17–22
Liposomal amphotericin B, neonatal invasive candidiasis, multicenter study of, 153–161
Liver damage, X-linked centronuclear myopathy (CNM), case studies, 173–179
Longitudinal absence defects, digital ray defects, 7–9
Low birth weight
  carbon dioxide set-point and volutrauma-associated lung injury minimization, 453–461
  developmental delay or disability risk and, 321–331
L-selectin, lymphocyte subpopulations in bronchopulmonary dysplasia (BPD), 465–474
Lymphocyte subpopulations, in bronchopulmonary dysplasia (BPD), 465–474

Magnetic resonance imaging (MRI)
  antenatal imaging, primary acalvaria, 293–296
  intrauterine herpes simplex infection, 55–58
Managed care policies, neonatology and, 433–439
Megacystitis-microcolon-intestinal hypoperistalsis syndrome (MMIHS), in twin fetuses, 215–218
Methicillin-resistant *Staphylococcus aureus* in newborns, 125–134
Methimazole, hyperthyroidism in pregnancy, neonatal gastrointestinal malformations and, 59–62
Methotrexate, cervical pregnancy management with, 263–266
Molecular analysis, X-linked centronuclear myopathy (CNM), 173–179

Neonatal arterial occlusion, pulmonary sequestration, physiopathology hypotheses and treatment, 87–89
Neonatal care
  health insurance issues and, 433–439
  historical review of NICU and, 441–450
Neonatal herpes simplex virus (HSV), intrauterine infection, 55–58
Neonatal intensive care unit (NICU)
  axillary temperature measurement in premature infants, 201–204
  historical review of evolution of, 441–450
  parent-physician conflicts in, 373–379
  preload conditions, echocardiographic assessment, 297–303
Neonatal invasive candidiasis, multicenter study of, 153–161
Neonatal outcome and survival
  congenital partial pericardial defect, 121–123
  cytopenia, research in, 425–430
  expiration in newborn, perinatal infection risk and, 137–144
  extremely-low-birth-weight infants, vaginal delivery and, 181–187
  fetal heart rate (FHR), computerized analysis, 77–84
  fetal hypoxia, nucleated red blood cell count, labor complications and, 367–370
  gastric teratoma with focal neuroblastoma, anemia with, 233–237
  HIV-serodiscordant couples, IVF-ET with intracytoplasmic sperm injection (ICSI), 305–311
  hyperbilirubinemia therapy and, 415–422
  inntervillous hematoma, fetal DNA in maternal blood, prognosis predictions, 361–365

low birth weight and developmental delay or disability, 321–331
placenta previa and, 353–360
preload conditions, echocardiographic assessment, 297–303
premature preterm rupture of membranes (PPROM), tocolysis and, 189–193
retropharyngeal abscess with branchial cleft sinus, case study, 227–231
substance abuse and treatment in pregnancy and, 255–262
Neonatal sepsis, cytokine/c-reactive protein therapy, 491–500
Neonatal surgery, threshold retinopathy, cryotherapy for, 219–225
Neonates
atrial septal defect (ASD), heart murmur detection, 195–199
congenital partial pericardial defect in, 121–123
congenital spine tuberculosis in, imaging studies and early diagnosis, 147–152
gastroesophageal reflux, antenatal steroid therapy and, 205–212
H-type fistula in, radionuclide studies, 341–345
nitric oxide expiration, perinatal infection risk and, 137–144
persistent pulmonary hypertension in, neutrophilia with, 347–350
Staphylococcus aureus outbreaks in, 125–134
unexpected vs. anticipated cystic periventricular leukomalacia in, 33–39
Neurodevelopmental outcomes, hyperbilirubinemia therapy and, 415–422
Neutralizing antibodies, condyloma acuminata, human papillomavirus type 6 and, 11–15
Neutropenia, fetal/neonatal cytpoenia, research issues, 425–430
Neutrophilia, persistent pulmonary hypertension of newborns (PPHN), infants with, 347–350
Nitric oxide, persistent pulmonary hypertension of newborns (PPHN), infants with neutrophilia, treatment with, 350
Nonstress test, fetal heart rate (FHR), computerized analysis, 77–84
Nucleated red blood cells, fetal hypoxia, labor and, 367–370

Oligohydramnios, pulmonary sequestration, physiopathology hypotheses and treatment, 87–89
Outcomes studies, placenta previa and pregnancy outcome, 353–360

Parent-physician conflict, in neonatal intensive care unit (NICU), 373–379
Patent ductus arteriosus (PDA) ligation, vasopressor use following, 313–319
Patent foramen ovale (PFO), atrial septal defect (ASD), differential diagnosis, 195–199
Pelvic inflammatory disease, tubo-ovarian abscess following in vitro fertilization and embryonic transfer, 277–282
Penguin thermometer, axillary temperature measurement in premature infants, 201–204
Perinatal care
cell proliferation and apoptosis, markers for, 283–287
fetus as patient, ethics of care and, 399–404
health insurance issues, 433–439
historical review of NICU and, 441–450
neonatal sepsis, cytokine and c-reactive protein therapy, 491–500
very-low-birth-weight infants, transient hypothyroxinemia, risk and treatment strategies, 333–338
Perinatal infection
methicillin-resistant *Staphylococcus aureus* in newborns, 125–134
nitric oxide expiration and risk of, 137–144
Perioperative care, threshold retinopathy, neonatal cryotherapy, 219–225
Permissive hypercapnia, carbon dioxide set point and volutrauma-associated lung injury minimization, 453–461
Persistent pulmonary hypertension of newborns (PPHN), neutrophilia in infants with, 347–350
Pharmaceutical research, pregnant women's participation in clinical trials, 69–75
Placenta previa, pregnancy outcome predictions and, 353–360
Population-based studies, low birth weight and developmental delay or disability, 321–331
Postpartum complications, anxiety disorder, 239–245
Preeclampsia, sickle cell trait and risk of, 41–47
Pregnancy
antibiotics and anti-infective agents in, 405–412
anxiety disorder during, 239–245
cervical incompetence during, tumor necrosis factor-α and emergent cerclage, 109–113

Pregnancy *(continued)*
cervical pregnancy, methotrexate, uterine artery embolization and Foley catheter balloon management, 263–266
clinical trial participation during, 69–75
cocaine exposure during, 165–171
hyperthyroidism in, neonatal gastrointestinal malformations and, 59–62
intervillous hematoma, fetal DNA in maternal blood, prognosis predictions, 361–365
intrauterine herpes simplex infection, 55–58
placenta previa and outcome predictions, 353–360
prolapsed chorioamniotic membrane, herniation, infection, and prolongation of, 381–388
sickle cell trait and preeclampsia risk, 41–47
substance abuse and treatment during, neonatal outcomes, 255–262
tubo-ovarian abscess following in vitro fertilization and embryonic transfer, 277–282
twin pregnancies, megacystitis-microcolon-intestinal hypoperistalsis syndrome (MMIHS) in one fetus, 215–218
venous thrombembolism during, associated risk factors, 17–22
Preload conditions, echocardiographic assessment in NICU, 297–303
Premature infants
axillary temperature measurement, developments in thermometry, 201–204
cather-related intracardiac thrombus, tissue plasminogen activator therapy, 91–95
disseminated *Trichosporon asahii* infection in, 269–271
extremely-low-birth-weight infants, vaginal delivery and neonatal outcome, 181–187
historical review of NICU and, 441–450
lymphocyte subpopulations in bronchopulmonary dysplasia (BPD) in, 465–474
patent ductus arteriosus (PDA) ligation, vasopressor use following, 313–319
preterm membrane rupture, tocolysis and neonatal outcome, 189–193
respiratory distress syndrome (RDS) and bronchopulmonary dysplasia (BPD), antioxidant nutrients and lipid peroxidation for, 97–106
Salter-Harris II fractures of proximal humerus in, 249–253
threshold retinopathy, neonatal cryotherapy, 219–225
thrombocytopenia risk in, 49–53
unexpected *vs.* anticipated cystic periventricular leukomalacia in, 33–39
vitamin K prophylaxis, 485–489
X-linked centronuclear myopathy (CNM), case studies, 173–179
Premature preterm rupture of membranes (PPROM), tocolysis and neonatal outcome, 189–193
Prenatal care, gastroesophageal reflux in neonates, antenatal steroid therapy and, 205–212
Prenatal diagnosis
Klippel-Trenaunay-Weber (KTW) syndrome, 1–5
megacystitis-microcolon-intestinal hypoperistalsis syndrome (MMIHS) in twin pregnancy, 215–218
supraventricular tachycardia in utero, accessory connections and, 115–119
Primary acalvaria, antenatal imaging, 293–296
Prolapsed chorioamniotic membrane, herniation, infection, and pregnancy prolongation, 381–388
Proximal segmental structures, digital aplasia and, 7–9
Pseudovirion neutralization, condyloma acuminata, HPV6 antibodies, 11–15
Psychopathology, anxiety disorder during pregnancy and postpartum, 239–245
Psychopharmacology, anxiety disorder during pregnancy and postpartum and risks of, 239–245
Pulmonary sequestration, physiopathology hypotheses and treatment, 87–89

Radionuclide studies, bronchioesophageal fistula, 341–345
Recombinant tissue type plasminogen activator (rt-PA), cather-related intracardiac thrombus, premature infants, 91–95
Red blood cell count, fetal hypoxia, nucleated cell count, labor complications and, 367–370
Refusal of treatment, parent-physician conflict, in neonatal intensive care unit (NICU), 373–379
Research issues, pregnant women's participation in clinical trials, 69–75
Respiratory distress syndrome (RDS)
antioxidant nutrients and lipid peroxidation in premature infants, 97–106
carbon dioxide set point and volutrauma-associated lung injury minimization, low-birth-weight infants, 453–461
lymphocyte subpopulations in bronchopulmonary dysplasia (BPD) and, 465–474
Retropharyngeal abscess, neonatal case study, 227–231

Risk factors
cocaine exposure and fetal anomalies, 165–171
for Erb's palsy, 275
expiration in newborn, perinatal infection risk and, 137–144
HIV-serodiscordant couples, IVF-ET with intracytoplasmic sperm injection (ICSI), obstetric outcomes, 305–311
low birth weight and developmental delay or disability, 321–331
patent ductus arteriosus (PDA) ligation, vasopressor use following, 313–319
pregnant women's participation in clinical trials, 69–75
sickle cell trait and preeclampsia risk, 41–47
substance abuse and treatment during pregnancy, neonatal outcomes, 255–262
thrombocytopenia in preterm infants, 49–53
transient hypothyroxinemia in very-low-birth-weight infants, risk factors and treatment strategies, 333–338
tubo-ovarian abscess following in vitro fertilization and embryonic transfer, 277–282
Rural medical practice, vaginal birth after cesarean delivery (VBAC) in, 63–67

Salter-Harris II fractures, proximal humerus in preterm infants, 249–253
Sickle cell trait, pregnancy and preeclampsia risk, 41–47
"Sickledex" test, sickle cell trait and preeclampsia risk, 41–47
Small-for-gestational-age (SGA) infants, thrombocytopenia risk in, 49–53
Smoking, breastfeeding in urban women and, 477–482
Socio-economic conditions, breastfeeding in urban women and, 477–482
Spectrum analysis, fetal heart rate (FHR), nonstress testing, 77–84
Staphylococcus aureus, outbreaks in newborns, 125–134
Steroid therapy, gastroesophageal reflux in neonates, antenatal steroid therapy and, 205–212
Substance abuse
cocaine exposure and fetal anomalies, myths concerning, 165–171
neonatal outcomes and treatment of, 255–262
Supraventricular tachycardia in utero, accessory connections and, 115–119

Tamponade, cervical pregnancy management, Foley catheter balloon for, 263–266
Temperature measurement, axillary temperature measurement in premature infants, 201–204
Thermometry, axillary temperature measurement in premature infants, 201–204
Thoracocentesis, pulmonary sequestration, physiopathology hypotheses and treatment, 87–89
Threshold retinopathy, cryotherapy for, 219–225
Thrombocytopenia
fetal/neonatal, research issues, 425–430
risk factors in preterm infants, 49–53
Thrombosis, cather-related intracardiac thrombus, premature infants, tissue plasminogen activator for, 91–95
Thyroxine, transient hypothyroxinemia in very-low-birth-weight infants, risk factors and treatment strategies, 333–338
Tissue plasminogen activator, cather-related intracardiac thrombus, premature infants, 91–95
Tissue polypeptide-specific antigen (TPS), cell proliferation and apoptosis, markers for, 283–287
Tocolysis therapy, premature preterm rupture of membranes (PPROM), neonatal outcome and, 189–193
Total parenteral nutrition, vitamin K prophylaxis in premature infants, dosage guidelines, 485–489
Total serum bilirubin, hyperbilirubinemia therapy and, 415–422
Transient hypothyroxinemia, in very-low-birth-weight infants, risk factors and treatment strategies, 333–338
Trichosporon asahii infection, in preterm infants, 269–271
Tuberculosis, congenital spine tuberculosis, imaging studies and early diagnosis, 147–152
Tubo-ovarian abscess, in vitro fertilization and embryonic transfer, 277–282
Tumor necrosis factor-α, cervical incompetence and emergent cerclage therapy, 109–113
Twin fetuses, megacystitis-microcolon-intestinal hypoperistalsis syndrome (MMIHS), 215–218

Ultrasound
antenatal imaging, primary acalvaria, 293–296
Klippel-Trenaunay-Weber (KTW) syndrome, prenatal diagnosis, 1–05
megacystitis-microcolon-intestinal hypoperistalsis syndrome (MMIHS) in twin pregnancy, 215–218
Salter-Harris II fractures of proximal humerus in preterm infants, 249–253

Ultrasound *(continued)*
transvaginal, cervical pregnancy diagnosis and management, 263–266
Umbilical cord
cell proliferation and apoptosis markers during perinatal period, 283–287
hemangioma, Klippel-Trenaunay-Weber (KTW) syndrome, prenatal diagnosis, 1–5
Uterine artery embolization, cervical pregnancy management with, 263–266
Uterine malformation
congenital partial pericardial defect, case study report, 121–123
limb reduction anomalies, 7–9

Vaginal birth after cesarean delivery (VBAC), in solo rural medical practices, 63–67
Vaginal delivery, extremely-low-birth-weight infants, neonatal outcomes and, 181–187
Vasopressors, patent ductus arteriosus (PDA) ligation, risk factors with, 313–319
Venous thrombembolism, inherited thrombophilia, antiphospholipid antibodies and lipoprotein A, 17–22
Very-low-birth-weight infants
carbon dioxide set point and volutrauma-associated lung injury minimization, 453–461
transient hypothyroxinemia, risk and treatment strategies, 333–338
Vitamin K prophylaxis, in premature infants, dosage guidelines, 485–489
Volutrauma-associated lung injury, carbon dioxide set point and minimization in low-birth-weight infants, 453–461

Wolff-Parkinson-White syndrome, supraventricular tachycardia in utero, 115–119

X-linked centronuclear myopathy (CNM), histopathology of, 173–179